## **EAST Search History**

## EAST Search History (Prior Art)

| Ref#                                    | Hits                                    | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|---|---|--|---|---------------------|---------|---------------------|
|   |   | (laser or lasers or<br>beam or beams) and<br>(cement\$4 or<br>concrete\$4) and ((cut<br>\$4) with (depth or<br>depths or depthness<br>or depthnesse)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2010/01/15<br>18:52 |
| ••••••••••••••••••••••••••••••••••••••• |   | (((laser or lasers or<br>beam or beams) and<br>((cement\$4 or<br>concrete\$4) and (cut<br>\$4)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND                 | OFF     | 2010/01/15<br>18:47 |
|   | *************************************** | (((laser or lasers or<br>beam or beams) and<br>((cement\$4 or<br>concrete\$4) and (cut<br>\$4)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2010/01/15<br>18:47 |
|   | *************************************** | (((laser or lasers or<br>beam or beams) and<br>((cement\$4 or<br>concrete\$4) and ((cut<br>\$4) with (depth\$4 or<br>depthness or<br>thickness\$4 or thick<br>or width or width))))                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2010/01/15<br>18:46 |
|   |   | (((laser or lasers or beam or beams) with (unfocused or unfocus\$4 or (not adi2 focu\$4))) and ((cement\$4 or concrete\$4) and ((cut \$4) with (depth\$4 or depthness or thickness\$4 or thick or width or width)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2010/01/15<br>18:46 |

| (((laser or lasers of beam or beams) w (unfocused or unfocuse4) or (not adj2 focu\$4))) an ((cement\$4 or concrete\$4) same ((cut\$4) with (dep \$4 or depthness of thickness\$4 or this or width or width or width or width or width the search beams of the search | with USPAT; USOCR; FPRS; EPO; JPO; d DEFWENT; IBM_TDB                      | OR | OFF | 2010/01/15<br>18:46 |
|--|--|----|-----|---------------------|
| ((laser or lasers o<br>beam or beams)<br>(unfocused or<br>unfocus\$4 or (not<br>ad]2 focu\$4)) sai<br>(cement\$4 or<br>concrete\$4) same<br>(((cut\$4) with (de<br>\$4 or depthness c<br>thickness\$4 or thi<br>or width or width)   | with USPAT; USOCR; FFRS; EPO; JPO; DEFWENT; IBM_TDB                        | OR | OFF | 2010/01/15<br>18:26 |
| S190 and (mm or<br>milimeters or<br>milimeter))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB    | OR | OFF | 2010/01/15<br>18:11 |
| S190 and ((S183<br>ten) adj2 (mm or<br>milimeters or<br>milimeter))  | OT US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>18:10 |
| ((S183 or ten) wit<br>(mm or milimeters))  |  | OR | OFF | 2010/01/15<br>17:37 |
| ((S183 or ten) adj<br>(mm or milimeter:<br>milimeters))  |  | OR | OFF | 2010/01/15<br>17:37 |
| S183 and ((S183 iten) adj2 (mm or milimeters or milimeters))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB    | OR | OFF | 2010/01/15<br>17:37 |

|      |      | S183 and ((S183 or<br>ten) adj2 (mm or<br>milimeters or<br>milimeters))       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>17:36 |
|------|------|---|---|----|-----|---------------------|
| S175 | 362  | B23k26/14.ipc.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/01/15<br>17:15 |
| S176 | 1081 | B23K26/38.ipc.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/01/15<br>17:15 |
| S177 | 624  | (219/121.8).OCLS.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>17:15 |
| S178 | 1112 | (219/121.84).OOLS.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>17:15 |
| S179 | 4436 | ((219/121.67) or<br>(219/121.68) or<br>(219/121.72) or<br>(219/121.69)).OCLS. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>17:15 |
| S180 | 770  | (((219/121.65) or<br>(219/121.66)).CCLS.                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>17:15 |
| S181 | 7210 | (S175 or S176 or<br>S180 or S179 or<br>S178 or S177)                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>17:15 |

| S182 | 3743 | ((219/121.6) or<br>(219/121.85)).OOLS.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>17:25 |
|------|------|--|---|----|-----|---------------------|
| S183 | 344  | ((laser or lasers or<br>beam or beams) with<br>(cut\$4) with (depth<br>\$4 or deep or<br>deepness or<br>depthness or (deep<br>adj ness) or (depth<br>adj ness))) and<br>(S181 or S182)                 | US-PCPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>17:34 |
| S184 | 185  | S183 and (mm or<br>milimeters or<br>milimeters)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>17:35 |
| S185 | 185  | S183 and (mm or<br>milimeters or<br>milimeter)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>17:38 |
| S186 | 34   | S183 and (cement\$4 or concrete\$4)  | US PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>17:51 |
| S187 | 21   | S186 and (mm or<br>milimeters or<br>milimeter)   | US PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>17:52 |
| S188 | 327  | ((laser or lasers or<br>beam or beams) with<br>(cut\$4) with (depth<br>\$4 or deep or<br>deepness or<br>depthness or (deep<br>adj ness)) or (depth<br>adj ness))) and<br>(cement\$4 or<br>concrets\$4) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>18:08 |

| S189 | 327  | (((laser or lasers or beam or beams) with (cut\$4) with (depth \$4 or deep or deepness or deepness or (depth adj ness)) or (depth adj ness))) and (cement\$4 or concrets\$4))                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15          |
|------|------|--|---|----|-----|---------------------|
| S190 | 6405 | (((laser or lasers or beam or beams) and ((cut\$4) with (depth \$4 or deep or deepness or depthness or (deep adj ness) or (depth adj ness) or (thickness or thick\$4)) and (cement\$4 or concrete\$4)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>18:09 |
| S191 | 3780 | S190 and (mm or<br>milimeters or<br>milimeter)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>18:11 |
| S192 | 856  | S191 and<br>(solidification or<br>solidify or solidi\$4)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>18:14 |
| S193 | 693  | S192 and (melt\$4 or<br>molten or molt\$4)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>18:14 |
| S194 | 9    | S193 and (S181 or<br>S182)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>18:16 |
| S195 | 7    | ("3134010").URPN.  | USPAT   | OR | OFF | 2010/01/15<br>18:22 |
| S196 | 3    | "6605798"  | USPAT   | OR | OFF | 2010/01/15<br>18:23 |
| S197 | 3    | ("5366522").PN. OR<br>("6605798").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2010/01/15<br>18:23 |

| S198 | 46164 | (laser or lasers or<br>beam or beams) and<br>(cement\$4 or<br>concrete\$4) and (cut<br>\$4)                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>18:47 |
|------|-------|--|---|----|-----|---------------------|
| S199 | 19964 | S198 and (mm or<br>milimeters or<br>milimeter)   | US PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>18:53 |
| S200 | 18494 | S199 and (depth or<br>depths or depthness<br>or thickness or thick<br>or width or widths)                  | US PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>18:53 |
| S201 | 145   | S200 and (S181 or<br>S182)   | US PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>18:55 |
| S202 | 37    | S199 and ((molten or<br>molt\$4) with (depth<br>or depths or<br>depthness))                                | US PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>18:56 |
| S203 | 2     | S199 and ((molten or<br>molt\$4) with<br>(solification or<br>solidify or solidif\$4)<br>with (suction\$4)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15          |
| S204 | 246   | S198 and (S182 or<br>S181)   | US PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>19:03 |
| S207 | 281   | \$200 and (diode with<br>(speeds or rates or<br>ranges or range))  | US PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM TDB | OR | OFF | 2010/01/15<br>19:12 |

| S208  | 562   | \$200 and (diode with<br>(speeds or rates or<br>ranges or range or<br>region))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>19:12 |
|-------|-------|--|---|----|-----|---------------------|
| S209  | 418   | \$200 and ((carbon<br>adj dioxide) with<br>(speeds or rates or<br>ranges or range or<br>region))                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>19:27 |
| S210  | 179   | \$200 and ((power<br>adj density) with<br>(speeds or rates or<br>ranges or range or<br>region))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>19:28 |
| S211  | 2     | \$200 and (diode with<br>"150" with (speeds<br>or rates or ranges or<br>range or region))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15          |
| S212  | 0     | "L27" and (diode<br>with ("100" or (one<br>adj hundred) or<br>(hundred)) with<br>(speeds or rates or<br>ranges or range or<br>region)) | US-PCPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/15<br>21:18 |
| \$213 | 46164 | (laser or lasers or<br>beam or beams) and<br>(cement\$4 or<br>concrete\$4) and (cut<br>\$4)  | US PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/16          |
| S214  | 19964 | S213 and (mm or<br>milimeters or<br>milimeter)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/16<br>18:51 |
| S215  | 18494 | \$214 and (depth or<br>depths or depthness<br>or thickness or thick<br>or width or widths)   | US PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/16<br>18:51 |

| S216 | 30 | \$215 and (diode with<br>("100" or (one adj<br>hundred) or<br>(hundred)) with<br>(speeds or rates or<br>ranges or range or<br>region)) |   | OR | OFF | 2010/01/16<br>18:51 |
|------|----|--|---|----|-----|---------------------|
| S217 | 4  | (speeds or rates or ranges or range  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/01/16<br>18:52 |

## 1/16/2010 8:02:27 PM

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